

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L11 | 3 | "20030139167" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 13:42 |
| L12 | 2 | "6289048".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 13:42 |
| L13 | 3 | "2002097812" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 13:43 |
| L16 | 3485 | (symbol near synchronization) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 14:03 |
| L17 | 123 | (symbol near (synchronization or map\$4)) same (demodulat \$4 with (I or In\$1phase) with (Q or quadrature)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 14:04 |
| L18 | 56 | (symbol near (synchronization or map\$4)) same (demodulat \$4 with (I or In\$1phase) with (Q or quadrature)) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 14:04 |
| L19 | 17 | (symbol near (synchronization or map\$4)) with (demodulat\$4 with (I or In\$1phase) with (Q or quadrature)) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 14:04 |
| L31 | 4 | 2004/0002323 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 16:04 |

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|-----|----|---|---|----|----|---------------------|
| L32 | 2 | "20040002323" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 16:05 |
| L33 | 1 | UMTS and (demodulat\$4 with QPSK) same (I with Q with imbalance) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 16:06 |
| L36 | 25 | UMTS and (I with Q with imbalance) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 16:07 |
| L37 | 6 | UMTS and (I with Q with imbalance) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/05 16:08 |
| S1 | 7 | "140135".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 10:33 |
| S2 | 4 | "536641".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 10:49 |
| S3 | 58 | (QPSK)with (scrambl\$4 near2 code) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:00 |
| S6 | 6 | (QPSK)with (scrambl\$4 near2 code)and (compensation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:06 |
| S7 | 56 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:08 |

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| S8 | 5 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensation)and (imbalance) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:08 |
| S9 | 203 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensation or estimation) and (imbalance or error or offset) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:20 |
| S10 | 4 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)same (compensation or estimation) same (imbalance or error or offset) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:21 |
| S11 | 4 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and (imbalance or error or offset or mismatch\$4) and (before near3 synchroniz\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:31 |
| S12 | 6 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and (imbalance or error or offset or mismatch\$4) and (before near3 (synchroniz\$5 or synchronis\$5)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:32 |
| S13 | 3 | ("6853631").URPN. | USPAT | OR | OFF | 2008/04/01 11:35 |
| S14 | 238 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and (imbalance or error or offset or mismatch\$4) and (synchroniz\$5 or synchronis\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:36 |
| S15 | 105 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and ((phase or gain) near3 (imbalance or error or offset or mismatch\$4)) and (synchroniz\$5 or synchronis\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:37 |

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| S17 | 90 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and ((phase or gain) near3 (imbalance or error or offset or mismatch\$4)) and (synchroniz \$5 or synchronis\$5)and (correlation or covariance) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:42 |
| S18 | 56 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and ((phase or gain) near3 (imbalance or error or offset or mismatch\$4)) and (synchroniz \$5 or synchronis\$5)and ((cross near2 correlation) or covariance) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:42 |
| S19 | 41 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and ((phase or gain) near3 (imbalance or error or offset or mismatch\$4)) and (synchroniz \$5 or synchronis\$5)and ((cross near2 correlation) or covariance)and (mean) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:43 |
| S20 | 40 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and ((phase or gain) near3 (imbalance or error or offset or mismatch\$4)) and (synchroniz \$5 or synchronis\$5)and ((cross near2 correlation) or covariance)and (mean)and (square) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:43 |
| S21 | 39 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and ((phase or gain) near3 (imbalance or error or offset or mismatch\$4)) and (synchroniz \$5 or synchronis\$5)and ((cross near2 correlation) or covariance)and (mean)and (square)and (low near2 pass or (low-pass) or (LPF)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:44 |

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| S22 | 26 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and ((phase or gain) near3 (imbalance or error or offset or mismatch\$4)) and (synchroniz\$5 or synchronis\$5)and ((cross near2 correlation) or covariance)and (mean)and (square)and (low near2 pass or (low-pass) or (LPF))and (RMS) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:44 |
| S23 | 28 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and ((phase or gain) near3 (imbalance or error or offset or mismatch\$4)) and (synchroniz\$5 or synchronis\$5)and ((cross near2 correlation) or covariance)and (mean)and (square)and (low near2 pass or (low-pass) or (LPF))and (FFC or feed-forward or (feed near2 forward)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 11:48 |
| S25 | 1 | wo-0150616-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 13:13 |
| S26 | 1 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)same (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)same (imbalance or error or offset or mismatch\$4)and (synchroniz\$5 or synchronis\$5)and ((cross near2 correlation) or covariance)and (mean)and (square)and (low near2 pass or (low-pass) or (LPF))and (FFC or feed-forward or (feed near2 forward))and (QPSK or PSK) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 14:59 |
| S27 | 224 | (complex near2 scrambling near2 code) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 15:20 |
| S31 | 62 | ((scrambl\$4 or spread\$5) near2 code)same (QPSK or PSK) and (cross-correlation or correlation or covariance)and (RMS) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 15:25 |

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| S32 | 36 | (I with Q with correlation with ratio) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 15:30 |
| S33 | 14 | (I with Q with correlation with ratio)and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 15:31 |
| S35 | 69 | (I with Q) with (ratio)with(RMS or mean or square)with (ratio) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 15:33 |
| S36 | 44 | (I with Q) with (ratio)with(RMS or mean or square)with (ratio) and (FFC or feed) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 15:36 |
| S37 | 5 | (I with Q) with (ratio)with(RMS or mean or square)with (ratio) and (FFC or feed)and (PSK or QPSK) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 15:36 |
| S38 | 0 | (I with Q) with (ratio)with(RMS or mean or square)same (despread\$4 or descramb\$5) and (demodulat\$5)and (mixer or multiplexer or mux) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 15:41 |
| S41 | 18 | (I with Q) with(RMS or mean or square)same (despread\$4 or descramb\$5)and (demodulat\$5) and (mixer or multiplexer or mux) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 15:43 |
| S42 | 1 | (I with Q) with (ratio)with(RMS or mean or square)same (despread\$4 or descramb\$5) and (demodulat\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 15:45 |
| S53 | 2 | "7050480".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 16:19 |

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| S58 | 2 | "6289048".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 16:48 |
| S63 | 2 | "20020097812" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 16:59 |
| S64 | 0 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and (imbalance or error or offset or mismatch\$4) and (synchroniz \$5 or synchronis\$5) and S58 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 17:10 |
| S65 | 0 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and (imbalance or error or offset or mismatch\$4) and (synchroniz \$5 or synchronis\$5) and S63 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 17:10 |
| S66 | 203 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensation or estimation) and (imbalance or error or offset) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 17:11 |
| S67 | 0 | S66 and S58 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 17:11 |
| S68 | 0 | S66 and S63 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 17:11 |
| S69 | 5171 | ((scrambl\$4 or spread\$4) near2 code)and (compensation or estimation)and (imbalance or error or offset or mismatch) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/01 17:12 |
| S70 | 46 | (I with Q) with (ratio)with (LPF or LP or low-pass or low near2 pass) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 10:48 |

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| S71 | 19 | (I with Q) with (ratio)with (LPF or LP or low-pass or low near2 pass)and (imbalance or offset or error or mismatch) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 10:49 |
| S72 | 28 | (QPSK)with ((scrambl\$4 or spread\$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and ((phase or gain) near3 (imbalance or error or offset or mismatch\$4)) and (synchroniz \$5 or synchronis\$5)and ((cross near2 correlation) or covariance)and (mean)and (square)and (low near2 pass or (low-pass) or (LPF))and (FFC or feed-forward or (feed near2 forward))and (QPSK or PSK) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 10:52 |
| S73 | 81 | (I with Q) with (ratio or divid\$3) with (LPF or LP or low-pass or low near2 pass)and (imbalance or offset or error or mismatch) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:00 |
| S74 | 17 | (I with Q) with (ratio or divid\$3) with (LPF or LP or low-pass or low near2 pass)same (imbalance or offset or error or mismatch) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:01 |
| S75 | 1501 | (I/Q or (I near2 Q))with (imbalance or error or offset or mismatch)with (compensat\$4 or estimat\$4 or calculat\$4 or find\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:17 |
| S76 | 394 | (I/Q or (I near2 Q))with (imbalance or error or offset or mismatch)with (compensat\$4 or estimat\$4 or calculat\$4 or find\$4).ab,ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:17 |
| S77 | 164 | (I/Q or (I near2 Q))with (imbalance or error or offset or mismatch)with (compensat\$4 or estimat\$4 or calculat\$4 or find\$4)same (divid\$4 or ratio) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:18 |
| S78 | 251 | (I/Q or (I near2 Q))with (imbalance or offset or mismatch)with (compensat\$4 or estimat\$4 or calculat\$4).ab, ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:18 |

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| S79 | 111 | (I/Q or (I near2 Q))with (imbalance or offset or mismatch)with (compensat\$4 or estimat\$4 or calculat\$4).ab, ti. and (ratio or divid\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:19 |
| S80 | 24 | (I/Q or (I near2 Q))with (imbalance or offset or mismatch)with (compensat\$4 or estimat\$4 or calculat\$4)same (ratio or divid\$4).ab,ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 13:05 |
| S81 | 101 | (I/Q or (I near2 Q))with (imbalance or offset or mismatch)with (compensat\$4 or estimat\$4 or calculat\$4)same (ratio or divid\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 13:05 |
| S82 | 2 | "7167513" .pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 13:14 |
| S83 | 2 | "7248625" .pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 13:16 |
| S84 | 2 | "7173988" .pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 13:20 |
| S86 | 23 | correlat\$7 with (divi\$7) with squat\$7 with (i or in\$1phas\$7 or q or quadratur\$7) and @ad<"20021209" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/03 10:14 |
| S87 | 44 | correlat\$7 with (divi\$7 or ratio) with (squat\$7 or RMS)with (i or in\$1phas\$7 or q or quadratur \$7) and @ad<"20021209" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/03 10:19 |

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|-----|----|--|--|----|----|------------------|
| S88 | 6 | correla\$7 with (divi\$7 or ratio) with (suar\$7 or RMS)with (i or in\$1phas\$7 or q or quadratur \$7)and((scrambl\$4 or spread \$4) near2 code)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and ((phase or gain) near3 (imbalance or error or offset or mismatch\$4)) and @ad<"20021209" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/03 10:20 |
| S89 | 7 | correla\$7 with (divi\$7 or ratio) with (suar\$7 or RMS)with (i or in\$1phas\$7 or q or quadratur \$7)and((scrambl\$4 or spread \$4) near2 cod\$4)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and (imbalance or error or offset or mismatch\$4) and @ad<"20021209" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/03 10:25 |
| S90 | 6 | correla\$7 with (divi\$7 or ratio) with (suar\$7 or RMS)with (i or in\$1phas\$7 or q or quadratur \$7)and((scrambl\$4 or spread \$4) near2 cod\$4)and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and (imbalance or error or offset or mismatch\$4)and (LPF or LP or low-pass or lowpass) and @ad<"20021209" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/03 10:26 |
| S91 | 18 | correla\$7 with (divi\$7 or ratio) with (suar\$7 or RMS)with (i or in\$1phas\$7 or q or quadratur \$7)and(scrambl\$4 or spread\$4) and (compensat\$4 or estimat\$4 or find\$4 or calculat\$5)and (imbalance or error or offset or mismatch\$4) and @ad<"20021209" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/03 10:28 |
| S94 | 2 | (phase or gain) with (imbalance or error or offset or mismatch).ab. and (spread\$4 or scrambl\$4 or cod\$4)and (LPF or LP or low-pass or low near2 pass) and (correla\$7 with (divi\$7 or ratio) with (suar\$7 or RMS)with (i or in\$1phas \$7 or q or quadratur\$7)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:17 |
| S95 | 3 | (phase or gain) with (imbalance or error or offset or mismatch).ab. and (spread\$4 or scrambl\$4 or cod\$4)and (correla\$7 with (divi\$7 or ratio) with (suar\$7 or RMS)with (i or in\$1phas\$7 or q or quadratur \$7)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:19 |

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| S96 | 2 | "7310388".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:22 |
| S97 | 2 | EP-1416691-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:24 |
| S98 | 2 | "20060251189" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:27 |
| S99 | 283 | ((Q or quadrature\$4) with square with (ratio or divid\$4) with (I or in\$1phase\$4) with square) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:29 |
| S100 | 88 | ((Q or quadrature\$4) with square with (ratio or divid\$4) with (I or in\$1phase\$4) with square) and (phase or gain) with (imbalance or error or offset or mismatch) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:30 |
| S101 | 43 | ((Q or quadrature\$4) with square with (ratio or divid\$4) with (I or in\$1phase\$4) with square) and (phase or gain) with (imbalance or error or offset or mismatch) same (estimat\$5 or compensat\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:30 |
| S102 | 2 | "7158586".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:40 |
| S103 | 2 | "20050181749" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:42 |
| S104 | 2 | "20060056554" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 13:43 |

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| S105 | 2 | "20060039506" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/08 10:09 |
| S106 | 2 | "20070177694" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/08 10:09 |
| S107 | 0 | (ratio or divid\$4) adj2 (square or RMS) adj2 (l or in\$1phase \$4) adj2 (square or RMS) adj2 (Q or quadrature\$5) adj2(l or in \$1pahse\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2008/04/08 10:19 |
| S108 | 87 | (ratio or divid\$4) with (square or RMS) with (l or in\$1phase \$4) with (square or RMS) with (Q or quadrature\$5) with (l or in\$1pahse\$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2008/04/08 10:20 |
| S109 | 14 | (ratio or divid\$4) with (correlation or correction) with (l or in\$1phase\$4)with(Q or quadrature\$5) with (square or RMS) with (l or in\$1pahse\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2008/04/08 10:30 |
| S110 | 4 | (ratio or divid\$4) with (correlation or correction) with (l or in\$1phase\$4)with(Q or quadrature\$5) with (square or RMS) with (l or in\$1pahse\$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2008/04/08 10:30 |
| S111 | 902 | (l or (in\$1phase\$4) with (Q or quadrature)) with (mismatch or error or offset or imbalance) with (compensat\$4 or estimat \$5) and (integrat\$5) and (feedback or feed-back or loopback or loop-back or fed or feed-forward or ffc) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 10:01 |
| S112 | 28 | (l or (in\$1phase\$4) with (Q or quadrature)) with (mismatch or error or offset or imbalance) with (compensat\$4 or estimat \$5) and (integrat\$5) and (feedback or feed-back or loopback or loop-back or fed or feed-forward or ffc) and (wcdma or w-cdma or umts) and (scrambl\$4 or spread\$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 10:02 |

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|------|------|------------------------|---|----|----|---------------------|
| S113 | 2 | "20040002323" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 11:53 |
| S114 | 1099 | 375/324.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 11:56 |
| S115 | 0 | 375/324.ccls. and S112 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 11:56 |
| S116 | 0 | 455/324.ccls. and S112 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:48 |
| S117 | 0 | 714/408.ccls. and S112 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:49 |
| S118 | 1 | 455/147.ccls. and S112 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:49 |
| S119 | 0 | 455/148.ccls. and S112 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:49 |
| S120 | 0 | 375/261.ccls. and S112 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:49 |
| S121 | 1 | 375/297.ccls. and S112 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:49 |

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| S122 | 0 | 375/147.ccls. and S112 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:49 |
| S123 | 11 | 375/324.ccls. and S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:50 |
| S124 | 25 | 455/324.ccls. and S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:50 |
| S125 | 0 | 714/408.ccls. and S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:50 |
| S126 | 0 | 714/408.ccls. and S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:50 |
| S127 | 1 | 455/147.ccls. and S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:50 |
| S128 | 17 | 375/261.ccls. and S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:50 |
| S129 | 10 | 375/297.ccls. and S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:50 |
| S130 | 8 | 375/147.ccls. and S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 12:51 |

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| S131 | 1 | ((PIERLUIGI) near2 (D"ALESSANDRO)).INV. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 13:02 |
| S132 | 130753 | (philips).as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 13:03 |
| S133 | 11 | (philips).as. and S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/10 13:03 |
| S135 | 3 | (QPSk near demodulat\$4) same (scrambling near code) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/08 11:24 |
| S136 | 4 | "536641".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/08 11:31 |
| S137 | 6 | "137468".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/08 12:50 |
| S138 | 1 | "7436915".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/08 12:50 |
| S139 | 2 | (tanmay near shah).xa. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/08 12:52 |
| S141 | 1204 | ((phase or gain) near (imbalance or offset)) same (synchro\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/12 11:18 |

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|------|------|--|---|----|----|---------------------|
| S142 | 92 | ((phase or gain) near (imbalance or offset)) same (synchro\$5) same (before or prior) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/12 11:18 |
| S143 | 54 | ((phase or gain) near (imbalance or offset)) same (synchro\$5) same (before or prior) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/12 11:18 |
| S144 | 3 | "20030139167" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/12 11:20 |
| S145 | 1 | (I near Q near imbalance) with (synchro\$6) and (@ad<="20050527") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/24 17:44 |
| S146 | 5 | (I near Q near imbalance) same (synchro\$6) and (@ad<="20050527") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/24 17:45 |
| S151 | 1 | (I near Q near imbalance) and (symbol near synchro\$6) and (@ad<="20050527") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/24 17:55 |
| S152 | 2109 | ((I or in\$1phase) with (Q or (quadrature near phase))) same (synchronization) and (@ad<="20050527") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/02 14:27 |
| S153 | 1731 | ((I or in\$1phase) with (Q or (quadrature near phase))) same (synchronization) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/02 14:27 |
| S154 | 133 | ((I or in\$1phase) with (Q or (quadrature near phase)) with (imbalance or offset or mismatch)) same (synchro\$6) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/02 14:29 |

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| S155 | 2 | "6289048".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/02 14:34 |
| S156 | 2 | "20020097812" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/02 14:35 |
| S157 | 56 | ((phase or gain) near (imbalance or offset or mismatch)) same (symbol near synchroniz\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:06 |
| S158 | 17 | (estimat\$4 or calculat\$4 or find \$4 or compensat\$4) with ((phase or gain) near (imbalance or offset or mismatch)) same (symbol near synchroniz\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:06 |
| S159 | 9 | (estimat\$4 or calculat\$4 or find \$4 or compensat\$4) with ((phase or gain) near (imbalance or offset or mismatch)) same (symbol near synchroniz\$5) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:07 |
| S160 | 4 | (estimat\$4 or calculat\$4 or find \$4 or compensat\$4) near2 ((phase or gain) near (imbalance or offset or mismatch)) same (symbol near synchroniz\$5) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:09 |
| S161 | 3 | "20030139167" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:11 |
| S162 | 15 | ((phase or gain) near (imbalance or offset or mismatch)) same (symbol near synchroniz\$5) same (demodulat \$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:13 |
| S163 | 10 | ((phase or gain) near (imbalance or offset or mismatch)) same (symbol near synchroniz\$5) same (demodulat \$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:14 |

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| S164 | 4 | "536641".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:14 |
| S165 | 6 | ((phase or gain) near (imbalance or offset or mismatch)) same (symbol near synchroniz\$5) and (QPSK near demodulat\$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:16 |
| S166 | 6 | (QPSK near demodulat\$4) same ((phase or gain) near (offset or imbalance or mismatch or error)) same (synchroni\$7) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:19 |
| S167 | 2 | "6289048".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:21 |
| S168 | 3 | "2002097812" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:21 |
| S169 | 2 | (QPSK near demodulat\$4) same ((phase or gain) near (offset or imbalance or mismatch or error)) same (constellation or mapping) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:26 |
| S170 | 3 | (QPSK near demodulat\$4) same ((phase or gain) near (offset or imbalance or mismatch or error)) same (constellation or map\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:26 |
| S171 | 6 | (QPSK near demodulat\$4) same ((phase or gain) near (offset or imbalance or mismatch or error)) same (const \$6 or map\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:27 |
| S172 | 3 | (QPSK near demodulat\$4) same ((phase or gain) near (offset or imbalance or mismatch or error)) same (const \$6 or map\$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:28 |

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| S173 | 2 | "20020097812" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 16:29 |
| S174 | 4 | "536641".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/04 17:22 |
| S175 | 12 | ((phase or gain) near (imbalance or offset or error or mismatch)) same (synchron\$6 or timing) same (QPSK near demodul\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/04 17:37 |
| S176 | 11 | ((phase or gain) near (imbalance or offset or error or mismatch)) same (synchron\$6 or timing) same (QPSK near demodul\$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/04 17:37 |
| S177 | 11 | ((phase or gain) near (imbalance or offset or error or mismatch)) same (synchron\$6 or timing or mapping) same (QPSK near demodul\$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/04 17:38 |
| S178 | 15 | ((phase or gain) near2 (imbalance or offset or error or mismatch)) same (synchron\$6 or timing or mapping) same (QPSK near demodul\$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/04 17:40 |
| S179 | 15 | ((phase or gain) near4 (imbalance or offset or error or mismatch)) same (synchron\$6 or timing or mapping) same (QPSK near demodul\$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/04 17:41 |
| S180 | 19 | ((phase or gain) near4 (imbalance or offset or error or mismatch)) same (synchron\$6 or timing or mapping) same (QPSK near2 demodul\$4) and (@ad<="20021209") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/04 17:42 |

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